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ECE5780/Lab 4 – UART

1. Change your command parser so it accepts full words as commands.
   * Keep the same sort of command structure as before
   * Use the LED's color as the first command, and either (on, off, toggle) as the second.
   * Example: red {enter} on {enter} --> red LED turns on
2. Use the newline character '\n' as the signal for submitting a command. (end of word)
   * Will be sent when you press the enter key in the terminal.
   * Discard carriage-return characters '\r'
3. You will need to implement some sort of buffer between the interrupt and main loop.
   * Don't get too fancy, you shouldn't have to handle multiple commands in the buffer at once.
4. You will need to write a simple string equality/match function.